



Developing School Information Program: Integrated Management System based on Character Value at SMP Negeri 9 Tapung

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ABSTRACT

This research aims to develop a student data management system at 9 Tapung Junior High School (SMP) Negeri 9 Tapung, which has not documented using a computer or school web using text-based programming languages like HTML, JavaScript, CSS, and PHP. The student information system design at SMP Negeri 9 Tapung in its manufacture uses a literacy methodology where each phase can be carried repeatedly until it gets the desired results. The phase of system manufacture is the investigation, analysis, design, and implementation. To make this application, the author uses PHP and MySQL. This development research results create a student information system application that can display school data, student data, graphics form, and development, including data on honesty and discipline. The system also displays the student interests and talents observed, extracurricular activities, student violations, and achievement. This application still needs development, refinement, and the addition of features. Suggestions and criticism need from all related parties to create a better and structured information system to improve the quality and character of SMP Negeri 9 Tapung.

INTRODUCTION

Student components' existence is very much needed, especially that students implement an educational activity at school, which is both a subject and an object in transforming knowledge and essential skills. To manage student data to make it easier to carry out activities at Junior High School (SMP) Negeri 9 Tapung, the author made it a research place because the program information system about student work in the school has not documented using a computer or school website.

The student information system design at SMP Negeri 9 Tapung in its manufacture uses a literacy methodology where each stage or phase can repeatedly carry out until it gets the desired results with stages, namely investigation, analysis, design, and implementation. To make this application, the author uses PHP and MySQL. The resulting applications include school data, student data, report data, and student graph data, including data on the development of honesty, discipline, student interests and talents observed during counseling, extracurricular activities, student violations, achievement, and talent.

In this case, the authors chose SMP Negeri 9 Tapung, Tapung District, Kampar Regency. The school is in great demand by the people here, especially the people in Tapung. It can be seen from the increasing number of students. The aims and objectives of this research are to build an effective and efficient student administration information system using HTML (HyperText Markup Language) programming



language that can be accessed locally on a local host in a Local Area Network (LAN) network system. are: To design a student information system at SMP Negeri 9 Tapung, Tapung District, Kampar Regency.

METHODS

The type of data used in this research is qualitative data. Qualitative data is data in the form of words, not in the form of numbers. Qualitative data obtained through various data collection techniques, such as interviews and analysis of documents recorded in field notes (transcript). The data source used by the authors in this study is secondary data.

Secondary data is data obtained through intermediaries or indirectly so that the researcher needs to find or collect. In conducting research, information and data are needed as the basis for system development to support the discussion's validity in this research report—information and data obtained from the literature study, observation, and documentation.

According to Bogdan and Taylor (in Iskandar, 2013; 221), data analysis is a process that looks for formal efforts to find themes and formulate ideas as suggested by the data and as an effort to assist with those themes and ideas. The data analysis used is a descriptive-analytic method, which describes the data collected in words, pictures, and not numbers. Data derived from manuscripts, interviews, field notes, documents, and more. Are then describing to clarify reality or reality. The qualitative data analysis techniques used as follows:

Data collection

The collecting data is the research process stage, where the researcher applies specific scientific methods and techniques to systematically collect data for analysis purposes—the data collected in this research carrying by several methods, including observation and document reviews. The used data include school profile, school history, teacher data, student data, organizational structure, and more.

Data reduction

Reducing data means summarizing, selecting the main things, focusing on the essential things, looking for themes and patterns, and removing unnecessary. Data reduction can make by abstracting it. Abstraction attempts to make a core summary, process, and statements that need to remain in the research data. In other words, the data reduction process is carried out by researchers continuously when conducting research to produce core notes from the data obtained from the results of data mining.

Data Presentation (Data Display)

Data presentation is a structured collection of information that gives the possibility of concluding. The goal of data visualization is to communicate data or information clearly and effectively to readers. In this research, data is visualizing in a chart, infographic, diagram, or map.

Conclusion / Verification

Conclusion or verification is the final stage in the data analysis process. In this section, the researcher expresses conclusions from the data that has been obtaining. This activity intends to find the meaning of the data collected by looking for relationships, similarities, or differences. Drawing conclusions can finish by comparing the suitability of the research subjects' statements with the meanings contained in the basic concepts in the study.

RESULTS

Current System Analysis

The current system case is a description of the flow of the system that is running in school about how schools provide assessments to students; for more details, it can be seen in Figure 1 below:

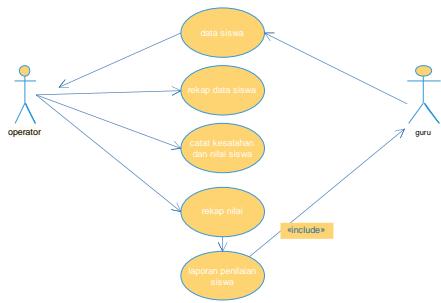


Figure 1. Current System Case

Old System Evaluation

After seeing the flow of the use case that is currently running, it can evaluate several things that are considered essential, such as 1) It is necessary to have an information system that stores data in a database; 2) Information systems are needed so that operators no longer need to record assessments

Proposed New System

The new use case diagram will explain the steps carried out by each actor in the information system; more details can see in Figure 2 below.

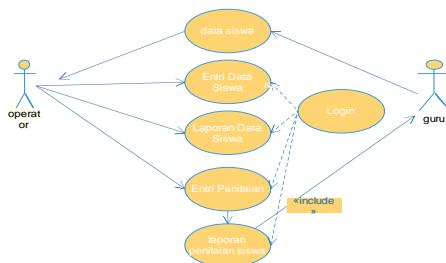


Figure 2. New System case

Class Diagram

The class diagram is a display between the relationships from the database that we will create. This class diagram is a data container for the data that we will input. For more details, we can see in Figure 3:

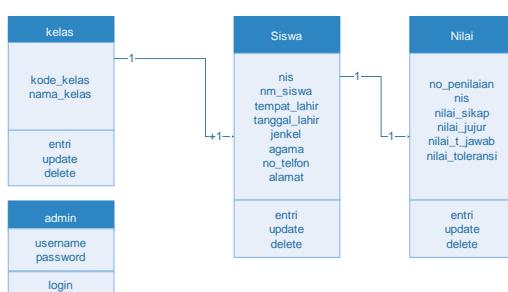


Figure 3. Class Diagram on system

Activity Diagram

Activity Diagram is a description of the activities of actors; here, the author only displays the activities of school operators; for more details, see the table below:

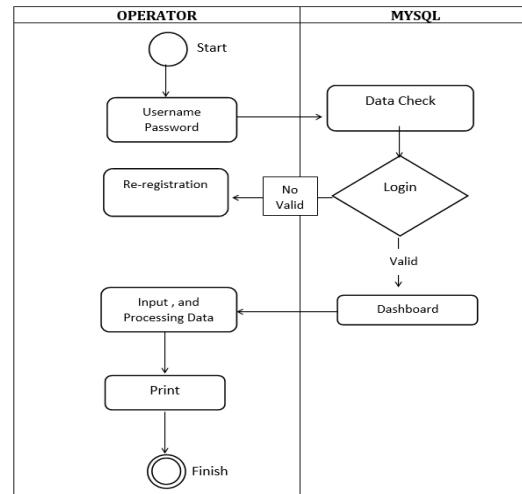


Figure 4. Activity Diagram on system

System Testing

Admin Login Form

Silahkan Login

Username

Password

Login

Reset

This image shows a screenshot of the 'Admin Login Form'. It features a dark green header with the text 'Silahkan Login'. Below the header are two input fields: 'Username' and 'Password', both with placeholder text. At the bottom are two large blue buttons labeled 'Login' and 'Reset'.

Figure 5. Admin Login Form on system

Admin Dashboard



Figure 6. Admin Dashboard on system

School Profile

PEMERINTAH KABUPATEN KAMPAR
DINAS PENDIDIKAN KEPEMUDAAN DAN OLAHRAJA
SMP NEGERI 9 TAPUNG
Jalan Teratai II No. 1 Desa Sungai Putih Kec. Tapung

Dashboard	Data	INPUT NILAI	RAPOR	SIGN OUT																		
<table border="1"> <tr> <td>Nama Sekolah</td> <td>: SMP Negeri 9 Tapung</td> </tr> <tr> <td>Nama Kepala Sekolah</td> <td>: Ikhari Anuar, S.Ag.,M.Pd</td> </tr> <tr> <td>NPSN</td> <td>: 104000381</td> </tr> <tr> <td>Status</td> <td>: Negeri</td> </tr> <tr> <td>Bentuk Pendidikan</td> <td>: SMP</td> </tr> <tr> <td>Akreditasi</td> <td>: A (AHMAT BAQ)</td> </tr> <tr> <td>Status Kependidikan</td> <td>: Pemerintah Daerah</td> </tr> <tr> <td>Alamat</td> <td>: Jalan Teratai II</td> </tr> <tr> <td>SK Pendirian Sekolah</td> <td>: 04/LKND/SG.III/SP/JV/1995</td> </tr> </table>					Nama Sekolah	: SMP Negeri 9 Tapung	Nama Kepala Sekolah	: Ikhari Anuar, S.Ag.,M.Pd	NPSN	: 104000381	Status	: Negeri	Bentuk Pendidikan	: SMP	Akreditasi	: A (AHMAT BAQ)	Status Kependidikan	: Pemerintah Daerah	Alamat	: Jalan Teratai II	SK Pendirian Sekolah	: 04/LKND/SG.III/SP/JV/1995
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SK Pendirian Sekolah	: 04/LKND/SG.III/SP/JV/1995																					

Figure 7. Junior High School Profile

Add New User Form

PEMERINTAH KABUPATEN KAMPAR
DINAS PENDIDIKAN KEPEMUDAAN DAN OLAHRAJA
SMP NEGERI 9 TAPUNG
Jalan Teratai II No. 1 Desa Sungai Putih Kec. Tapung

DASHBOARD	DATA	INPUT NILAI	RAPOR	SIGN OUT																		
<h3>TAMBAH DATA SISWA</h3> <table border="1"> <tr> <td>Nomer Induk Nasional (NISN)</td> <td>1222222211</td> </tr> <tr> <td>Nomer Induk Siswa</td> <td>12121</td> </tr> <tr> <td>Nama Siswa</td> <td>Raymon</td> </tr> <tr> <td>Tempat Lahir</td> <td>Pekanbaru</td> </tr> <tr> <td>Tanggal Lahir</td> <td>2019-09-04</td> </tr> <tr> <td>Jenis Kelamin</td> <td>Laki-Laki</td> </tr> <tr> <td>Kelas</td> <td>Kelas Siswa Sekarang</td> </tr> <tr> <td>Nomor Telepon/WA</td> <td>Telepon/WA</td> </tr> <tr> <td>Alamat</td> <td>olomat</td> </tr> </table>					Nomer Induk Nasional (NISN)	1222222211	Nomer Induk Siswa	12121	Nama Siswa	Raymon	Tempat Lahir	Pekanbaru	Tanggal Lahir	2019-09-04	Jenis Kelamin	Laki-Laki	Kelas	Kelas Siswa Sekarang	Nomor Telepon/WA	Telepon/WA	Alamat	olomat
Nomer Induk Nasional (NISN)	1222222211																					
Nomer Induk Siswa	12121																					
Nama Siswa	Raymon																					
Tempat Lahir	Pekanbaru																					
Tanggal Lahir	2019-09-04																					
Jenis Kelamin	Laki-Laki																					
Kelas	Kelas Siswa Sekarang																					
Nomor Telepon/WA	Telepon/WA																					
Alamat	olomat																					

Figure 8. Add New User Form

Deleting User

NISN	NIS	NAAMA SISWA	TEMPAT LAHIR	TANGGAL LAHIR	JENIS KELAMIN	KELAS	NOMOR TELEPON	ALAMAT	AGAMA	KET.	AKSI
32423	42342	Yandi Pemido	Pekanbaru	2000-09-03	Perempuan	8	082342384924	Jalan Pengganggang	Islam	-	Edit Delete Cetak

Figure 9. Deleting User

Student Data Display Form

Pencarian data... CARI BATAL											
NISN	NIS	NAAMA SISWA	TEMPAT LAHIR	TANGGAL LAHIR	JENIS KELAMIN	KELAS	NOMOR TELEPON	ALAMAT	AGAMA	KET.	AKSI
32423	42342	Yandi Pemido	Pekanbaru	2000-09-03	Perempuan	8	082342384924	Jalan Pengganggang	Islam	-	Edit Delete Cetak
123456789	12222	Randi Smaera Pak P	medan	2018-09-11	laki-laki	7	02147483647	jalan kusuma	islam	ketua osis	Edit Delete Cetak
111111111	54644	Muhammad Yahya Arumi	Medan	2019-09-03	laki-laki	7	082839123121	jalan riau	Islam	Anak Yatim	Edit Delete Cetak
122222211	12121	Raymon	Pekanbaru	2019-09-04	laki-laki						Edit Delete Cetak

Figure 10. Student Data Display Form

Changing Student Data Form

EDIT DATA SISWA

NISN	32423
NIS	42342
NAAMA SISWA	Yandi Pemido
TEMPAT LAHIR SISWA	Pekanbaru
TANGGAL LAHIR	2000-09-03
JENIS KELAMIN	Perempuan
KELAS	8
NOMOR TELEPON/WA	0823423849234
ALAMAT	Jalan Pengganggang
AGAMA	Islam
KETERANGAN LAINNYA	-

[Update](#) [Back](#)

Sistem Informasi Bidang Kesiswaan SMP Negeri 9 Tapung

Figure 11. Changing Student Data Form

Showing Teachers Form

PEMERINTAH KABUPATEN KAMPAR
DINAS PENDIDIKAN KEPEMUDAAN DAN OLAHRAJA
SMP NEGERI 9 TAPUNG
Jalan Teratai II No. 1 Desa Sungai Putih Kec. Tapung

DASHBOARD	DATA	INPUT NILAI	RAPOR	SIGN OUT																							
<h3>DATA GURU</h3> <table border="1"> <tr> <td colspan="2">TAMBAH DATA</td> </tr> <tr> <td>Pencarian data...</td> <td>CARI</td> <td>BATAL</td> </tr> <tr> <th>KODE GURU</th> <th>NIP</th> <th>NAAMA GURU</th> <th>PIATA PELAJARAN</th> <th>JABATAN</th> <th>AKSI</th> </tr> <tr> <td>111</td> <td>chendrie</td> <td>2147483647</td> <td>SE</td> <td>Wivali</td> <td>Edit Delete Cetak</td> </tr> <tr> <td>321</td> <td>chendrie</td> <td>2147483647</td> <td>SE</td> <td>Kepala Sekolah</td> <td>Edit Delete Cetak</td> </tr> </table>					TAMBAH DATA		Pencarian data...	CARI	BATAL	KODE GURU	NIP	NAAMA GURU	PIATA PELAJARAN	JABATAN	AKSI	111	chendrie	2147483647	SE	Wivali	Edit Delete Cetak	321	chendrie	2147483647	SE	Kepala Sekolah	Edit Delete Cetak
TAMBAH DATA																											
Pencarian data...	CARI	BATAL																									
KODE GURU	NIP	NAAMA GURU	PIATA PELAJARAN	JABATAN	AKSI																						
111	chendrie	2147483647	SE	Wivali	Edit Delete Cetak																						
321	chendrie	2147483647	SE	Kepala Sekolah	Edit Delete Cetak																						

Figure 12. Showing Teachers Form

Add and Editing Teacher Data Form

PEMERINTAH KABUPATEN KAMPAR
DINAS PENDIDIKAN KEPEMUDAAN DAN OLAHRAJA
SMP NEGERI 9 TAPUNG
Jalan Teratai II No. 1 Desa Sungai Putih Kec. Tapung

DASHBOARD	DATA	INPUT NILAI	RAPOR	SIGN OUT										
<h3>TAMBAH DATA GURU</h3> <table border="1"> <tr> <td>Kode Guru</td> <td>kd_guru</td> </tr> <tr> <td>Nama Guru</td> <td>Nama Guru</td> </tr> <tr> <td>NIP</td> <td>nip</td> </tr> <tr> <td>Mata Pelajaran</td> <td>Mata Pelajaran</td> </tr> <tr> <td>Jabatan</td> <td>Jabatan Di bekolah</td> </tr> </table> <p>Simpan Reset Back</p>					Kode Guru	kd_guru	Nama Guru	Nama Guru	NIP	nip	Mata Pelajaran	Mata Pelajaran	Jabatan	Jabatan Di bekolah
Kode Guru	kd_guru													
Nama Guru	Nama Guru													
NIP	nip													
Mata Pelajaran	Mata Pelajaran													
Jabatan	Jabatan Di bekolah													

Figure 13. Add and Editing Teacher Data Form

Honest Attitude Character Assessment Form

NILAI SIKAP : JUJUR
Sikap Jujur Adalah perilaku dapat dipercaya dalam perkataan, tindakan dan perbuatan.

NISN	32423	NAMA SISWA	Yandi Pemido	KELAS	8
NO.	1	2	3	4	ASPEK PENGAMATAN
1.	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Tidak menyontek dalam mengerjakan ujian/ulangan.
2.	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Tidak menjadi plagiat (mengambil/menyalin karya orang lain tanpa menyebutkan sumber).
3.	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Mengungkapkan perasaan apa adanya.
4.	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Menyerahkan kepada yang berwenang barang yang ditemukan.
5.	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Membuat laporan berdasarkan data atau informasi ada adanya..

Figure 15. Honest Attitude Character Assessment Form

Discipline Assessment Form

NILAI SIKAP : DISIPLIN

Disiplin Adalah tindakan yang menunjukkan perilaku tertib dan patuh pada berbagai ketentuan dan peraturan.

NSN	32423	NAMA SISWA	Yandri Pemildo	KELAS	B
NO.	1	2	3	4	SKOR
ASPEK PERGAMATAN					
1.	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Datang tepat waktu.
2.	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Patuh pada rata tertib atau peraturan bersama/sekolah..
3.	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Mengerjakan/mengumpulkan tugas sesuai dengan waktu yang telah ditentukan.
4.	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Mengikuti kaidah berbahasa tulis yang baik dan benar.
JUMLAH SKOR (Berdasarkan Permenkabid No. 81 A Tahun 2013)					
HASIL adalah : (Skor diperoleh/Skor Maksimal) x 4 = Skor Akhir					
NILAI SIKAP adalah :					
Hasil > 3,33 Sangat Baik atau Hasil > 2,33 Baik atau Hasil > 1,33 Cukup atau Hasil <= 1,33 Kurang					
<input type="button" value="SIMPAH"/> <input type="button" value="KEMBALI"/>					

Figure 16. Discipline assessment form

Responsibility assessment Form

NILAI SIKAP : TANGGUNG JAWAB

Tanggung Jawab adalah sikap dan prilaku seseorang untuk melaksanakan tugas dan kewajibannya yang seharusnya dia kerjakan, terhadap diri sendiri, masyarakat, lingkungan (alam, sosial dan budaya), negara dan Tuhan Yang Maha Esa...

NSN	32423	NAMA SISWA	Yandri Pemildo	KELAS	B
NO.	1	2	3	4	SKOR
ASPEK PERGAMATAN					
1.	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Melaksanakan tugas individu dengan baik
2.	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Menerima resiko dari tidak yang dilakukan.
3.	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Tidak menyalahkan/merendahkan orang lain tanpa bukti yang akurat.
4.	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Mengembalikan barang pinjaman.
5.	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Mengakui dan meminta maaf atas kesalahan yang dilakukan..
6.	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Menepati janji
7.	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Tidak menyalahkan orang lain untuk kesalahan tindakan kita sendiri.
8.	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Melaksanakan apa yang pernah dikatakan tanpa disuruh/diminta..
JUMLAH SKOR (Berdasarkan Permenkabid No. 81 A Tahun 2013)					
HASIL adalah : (Skor diperoleh/Skor Maksimal) x 4 = Skor Akhir					
NILAI SIKAP adalah :					
Hasil > 3,33 Sangat Baik atau Hasil > 2,33 Baik atau Hasil > 1,33 Cukup atau Hasil <= 1,33 Kurang					
<input type="button" value="SIMPAH"/> <input type="button" value="KEMBALI"/>					

Figure 17. Admin Login Form on system

Tolerance Assessment Form

NILAI SIKAP : TOLERANSI

Toleransi Adalah sikap dan tindakan yang menghargai keberagaman latar belakang, pandangan dan keyakinan....

NSN	32423	NAMA SISWA	Yandri Pemildo	KELAS	B
NO.	1	2	3	4	SKOR
ASPEK PERGAMATAN					
1.	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Tidak mengganggu teman yang berbeda pendapat..
2.	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Menerima kesepakatan meskipun berbeda dengan pendapatnya..
3.	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Dapat menerima kelukuran orang lain..
4.	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Mampu dan mau bekerja sama dengan siapa pun yang memiliki keberagaman latar belakang,pandangan, dan keyakinan..
5.	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Tidak memaksakan pendapat atau keyakinan diri pada orang lain ..
6.	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Kesadaran untuk belajar dari(terbukti terhadap) keyakinan dan gagasan orang lain agar dapat memahami orang lain lebih baik..
7.	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Terbuka terhadap atau kesadaran untuk menerima sesuatu yang baru..
JUMLAH SKOR (Berdasarkan Permenkabid No. 81 A Tahun 2013)					
HASIL adalah : (Skor diperoleh/Skor Maksimal) x 4 = Skor Akhir					
NILAI SIKAP adalah :					
Hasil > 3,33 Sangat Baik atau Hasil > 2,33 Baik atau Hasil > 1,33 Cukup atau Hasil <= 1,33 Kurang					
<input type="button" value="SIMPAH"/> <input type="button" value="KEMBALI"/>					

Figure 18. Tolerance Attitudes Form

Mutual Character Assessment Form

NILAI SIKAP : GEMAR BERGOTONG ROYONG

Gotong Royong adalah bekerja bersama-sama dengan orang lain untuk mencapai tujuan bersama dengan saling berbagi tugas dan gotong royong menolong secara aktif.

NSN	32423	NAMA SISWA	Yandri Pemildo	KELAS	B
NO.	1	2	3	4	SKOR
ASPEK PERGAMATAN					
1.	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Terlibat aktif dalam bekerja bakti membersihkan kelas atau sekolah.
2.	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Kesiadaan melakukan tugas sesuai kesepakatan.
3.	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Bersedia membantu orang lain tanpa mengharap imbalan.
4.	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Aktif dalam kerja kelompok.
5.	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Mermusatkan perhatian pada tujuan kelompok.
6.	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Tidak mendahulukan kepentingan pribadi..
7.	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Mendorong untuk menciptakan harmoni antara diri sendiri dengan orang lain
<input type="button" value="SIMPAH"/> <input type="button" value="KEMBALI"/>					

Figure 19. Mutual Character Assessment Form

Polite Assessment form

NILAI SIKAP : SOPAN SANTUN

Sopan atau Santun Adalah sikap baik dalam pergaulan baik dalam berbasa maupun bertukar tulus. Norma kebiasaan bersifat tetap, artinya yang dianggap baik/santun pada tempat dan waktu tertentu bisa berbeda pada tempat dan waktu yang lain...

NSN	32423	NAMA SISWA	Yandri Pemildo	KELAS	B
NO.	1	2	3	4	SKOR
ASPEK PERGAMATAN					
1.	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Menghormati orang yang lebih tua...
2.	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Tidak berkata-kata kotor,kasar dan takabur..
3.	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Tidak melukuk disemberang tempat..
4.	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Tidak menyela pembicaraan pada waktu yang tidak tepat..
5.	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Mengucapkan terimakasih setelah menerima bantuan orang lain..
6.	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Bersikap 3S (Salam, Senyuman, Sapa).
7.	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Meminta izin ketika akan memasuki ruangan orang lain atau menggunakan barang milik orang lain..
8.	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Memperlakukan orang lain sebagai diri sendiri ingin diperlakukan...

Figure 20. Polite assessment form

Self-Confidence assessment form

NILAI SIKAP : PERCAYA DIRI

Percaya Diri adalah kondisi mental atau psikologis seseorang yang memberi keyakinan kuat untuk berbuat atau bertindak.

NSN	32423	NAMA SISWA	Yandri Pemildo	KELAS	B
NO.	1	2	3	4	SKOR
ASPEK PERGAMATAN					
1.	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Berpendapat atau melakukan kegiatan tanpa ragu-ragu..
2.	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Mampu membuat keputusan dengan cepat
3.	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Tidak mudah putus asa..
4.	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Tidak cengung dalam bertindak..
5.	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Berani presentasi di depan kelas..
6.	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Berani berpendapat, bertanya, atau menjawab pertanyaan..
JUMLAH SKOR (Berdasarkan Permenkabid No. 81 A Tahun 2013)					
HASIL adalah : (Skor diperoleh/Skor Maksimal) x 4 = Skor Akhir					
NILAI SIKAP adalah :					
Hasil > 3,33 Sangat Baik atau Hasil > 2,33 Baik atau Hasil > 1,33 Cukup atau Hasil <= 1,33 Kurang					
<input type="button" value="SIMPAH"/> <input type="button" value="KEMBALI"/>					

Figure 21. Self-Confidence assessment form

Character Value Form

NILAI SIKAP / KARAKTER SISWA

Pencarian data...	GO	Reset								
NSN	RES	NAWA SISWA	ZIJUR	DISPLIN	TANGGUNG JAWAB	TOLERANSI	GOTONG ROYONG	SOPAN SANTUN	PERCAYA DIRI	AKSI
32423	4242	Yandri Pemildo								Cetak
123456789	12222	Randi Simaera Pak P	baik	baik	baik	baik	baik	baik	baik	Cetak
111111111	54644	Hulennem Yahya Aruna	baik	baik	baik	baik	baik	baik	baik	Cetak
122222222	12121	Raymon								Cetak

Figure 22. Character Value Form

Form to print Students Character Value

NILAI SIKAP SISWA

Nama Sekolah	:	SMP Negeri 9 Tapung
Nama Peserta didik	:	Randi Simaera Pak P
Nomor Induk/NISN	:	12222 / 123456789
Nilai Sikap Jujur	:	baik
Nilai Sikap Disiplin	:	baik
Nilai Sikap Tanggung Jawab	:	baik
Nilai Sikap Gotong Royong	:	baik
Nilai Sikap Sopan	:	baik
Nilai Sikap Percaya Diri	:	baik

Figure 23. The print students character value

Form to print student data

DATA SISWA

Nama Peserta didik	:	Yandri Pemildo
Nomor Induk/NISN	:	42342 / 32423
Nama Sekolah	:	SMP Negeri 9 Tapung
Alamat Sekolah	:	Jalan Teratai , Tapung

Figure 24. Print student data



DISCUSSION

Based on Permendikbud No. 24 of 2016, regarding core competencies and essential competencies, one of which is Core Competency 2, there are 7 (seven) attitudes. Processing the results of the attitude value for the predicate "Very Good" is if students tend to have an excellent attitude in most subjects, it can assume that these students' predicate is very good. Meanwhile, if students do not have any notes in the journal, these students' attitudes can be assumed to be "Good" (Guidelines for Assessment by Students and Education Units for Junior High Schools; 39). The formulation indicators of student attitude consisting of honesty, discipline, responsibility, cooperation, cooperation, tolerance, courtesy, and self-confidence (see Guidelines for Assessment by Students and Education Units for Junior High Schools; 35).

Tabel 1. Student Attitude Indicators

Attitude and Understanding	Indicator
Honest Honest attitude is responsible behavior in words, actions, and deeds.	<ul style="list-style-type: none">- The students must not cheat on taking exams or tests.- It does not become plagiarism (taking/copying other people's work without mentioning the source).- Express feelings as they are.- Turning over to the authorities, the items he finds.- Create reports based on data or information as is.- The students must acknowledge mistakes or deficiencies that the students have.- Arrive on time.- Obey the rules or regulations with the school/school.- Work on or collect assignments according to a predetermined time.- Follow the rules of right and correct written language.- Carry out individual tasks properly and accept the risk of the actions taken.- The students must not blame/accusing others without real evidence.- The students must return borrowed items.- Acknowledge and apologize for wrongdoing.- The students must keep promises and not blame others for the mistakes of our actions.- Carry out what has said without being asked.- Do not bother friends with different opinions.- Accept an agreement even if it differs from his opinion.- Can accept other people's shortcomings.
Discipline A disciplined attitude is an action that shows orderly behavior and complies with various rules and regulations.	<ul style="list-style-type: none">- Able and willing to work with anyone with a variety of backgrounds, views, and beliefs.- Do not insist on opinions or self-confidence in others.- The students must be willing to learn from (being open to) others' beliefs and ideas to understand other people better.- Open or willing to accept something new.- The students must actively be involved in community service cleaning classes or schools.- The students must willingness to carry out tasks as agreed.- Willing to help others without expecting anything in return and active in group work.
Responsible It is a person's attitude and behavior to carry out his duties and obligations that he should do towards himself, society, the environment (natural, social, and cultural), the country, and God Almighty.	<ul style="list-style-type: none">- The students must not cheat on taking exams or tests.- It does not become plagiarism (taking/copying other people's work without mentioning the source).- Express feelings as they are.- Turning over to the authorities, the items he finds.- Create reports based on data or information as is.- The students must acknowledge mistakes or deficiencies that the students have.- Arrive on time.- Obey the rules or regulations with the school/school.- Work on or collect assignments according to a predetermined time.- Follow the rules of right and correct written language.- Carry out individual tasks properly and accept the risk of the actions taken.- The students must not blame/accusing others without real evidence.- The students must return borrowed items.- Acknowledge and apologize for wrongdoing.- The students must keep promises and not blame others for the mistakes of our actions.- Carry out what has said without being asked.- Do not bother friends with different opinions.- Accept an agreement even if it differs from his opinion.- Can accept other people's shortcomings.
Tolerance Tolerances are attitudes and actions that respect a variety of backgrounds, views, and beliefs	<ul style="list-style-type: none">- Able and willing to work with anyone with a variety of backgrounds, views, and beliefs.- Do not insist on opinions or self-confidence in others.- The students must be willing to learn from (being open to) others' beliefs and ideas to understand other people better.- Open or willing to accept something new.- The students must actively be involved in community service cleaning classes or schools.- The students must willingness to carry out tasks as agreed.- Willing to help others without expecting anything in return and active in group work.
Cooperation Is working together with others to achieve common goals by sharing tasks and mutual help sincerely	<ul style="list-style-type: none">- The students must not cheat on taking exams or tests.- It does not become plagiarism (taking/copying other people's work without mentioning the source).- Express feelings as they are.- Turning over to the authorities, the items he finds.- Create reports based on data or information as is.- The students must acknowledge mistakes or deficiencies that the students have.- Arrive on time.- Obey the rules or regulations with the school/school.- Work on or collect assignments according to a predetermined time.- Follow the rules of right and correct written language.- Carry out individual tasks properly and accept the risk of the actions taken.- The students must not blame/accusing others without real evidence.- The students must return borrowed items.- Acknowledge and apologize for wrongdoing.- The students must keep promises and not blame others for the mistakes of our actions.- Carry out what has said without being asked.- Do not bother friends with different opinions.- Accept an agreement even if it differs from his opinion.- Can accept other people's shortcomings.

Attitude and Understanding	Indicator
<p>Polite It is the right attitude in the association, both in speaking and in behavior. Norms of politeness are relative, meaning that what is considered good/polite at a particular place and time can be different at other places and times</p>	<ul style="list-style-type: none">- The students must focus on group goals.- The students must not prioritize personal interests.- The students must find ways to overcome differences in opinion/thoughts between themselves and others.- Encourage others to work together to achieve common goals.- Respect for elders.- The students must learn no words harsh and obscene.- Do not spit anywhere.- The students must not interrupt conversations at inappropriate times.- The students must say thanks after receiving help from others and must behave greetings, smiles- Ask for permission when entering someone else's room or using other people's belongings.- The students must treat others as students would like to treat- Opinions or activities without hesitation.- Able to make decisions quickly.- Not easily discouraged.- Not awkward in acting.- Dare to present to the class.- Dare to argue, ask, or answer questions.
<p>Confidence. Is a mental or psychological condition of a person who gives a strong belief to act or act</p>	

According to the Regulation of the Minister of Education and Culture Number. 81A in 2013, students obtained the scores are:

1. Very good: when obtaining a score: $3,33 \leq \text{score} \leq 4,00$
2. Good: when obtaining a score: $2,33 \leq \text{score} < 3,33$
3. Enough: when obtaining a score: $1,33 \leq \text{score} < 2,33$
4. Less: when obtaining a score: $\text{score} < 1,33$

CONCLUSION

The student information system at SMP Negeri 9 Tapung uses text-based programming languages such as HTML, JavaScript, CSS, and PHP. This system manages student data related to attitude character assessment to assess students' behavior while in school to make it easier to carry out routine student affairs and improve character in the teaching and learning process. The character assessments that are processed are honesty, discipline, responsibility, tolerance, cooperation, self-confidence, and tolerance. A computerized system will simplify the teacher's duties in carrying out disciplinary enforcement actions and increase students' character in school. This information system is the initial stage in managing data on students' attitudes and character values. For this reason, the development, improvement, and addition of features and suggestions and criticisms from all parties expecting to create a better and structured information system for the improvement of the quality and character of students who are good at school.

REFERENCES

- Andrianto, S., & Wijoyo, H. (2020). Rancang Bangun Sistem Informasi Siswa Berbasis Web di Sekolah Minggu Buddha Vihara Dharmaloka Pekanbaru. *TIN: Terapan Informatika Nusantara*, 1(2), 83-90.
- Anggraeni, Elisabet Yunaeti dan Rita Irfiani (2017). *Pengantar Sistem Informasi*. Yogyakarta: CV. Andi Offset (Penerbit Andi).



- Ayu, Fitri dan Nia Permata Sari, (2018). Perancangan Sistem Informasi Pengolahan Data Praktek Kerja Lapangan (PKL) pada Devisi Humas PT. Pegadaian. *Jurnal Intra-Tech* Vol. 2, No. 2 Oktober 2018. AMIK Mahaputra; Riau.
- Bramesta, & Wijoyo, H. (2019). Perancangan Sistem Informasi Pengelolaan Data Warga Binaan Sosial Di UPT. Bina Laras Dinas Sosial Provinsi Riau. *Jurnal Ilmu Komputer dan Bisnis*, 10(2), 2226–2233. <https://doi.org/10.47927/jikb.v10i2.170>
- Enterprise, Jubilee (2016). *Trik Cepat Menguasai Microsoft Visio*. Jakarta: PT. Elex Media Komputindo.
- Enterprise, Jubilee. (2017). *HTML 5 Komplet*. Jakarta: PT. Alex Media Komputindo.
- Fipiana, Wahyu Inggar, (2018). *Penggunaan Aplikasi Komputer Praktis Microsoft Office Visio*. Ponorogo: Uwasi Inspirasi Indonesia.
- Firman, Hans F. Wowor, Xaverius Najoan (2016). Sistem Informasi Perpustakaan Online Berbasis Web. *E-Jurnal Teknik Elektro dan Komputer* vol.5 no.2 Januari-Maret 2016
- Firmansyah, S. E., & Si, M. (2020). *Kewirausahaan Berbasis Teknologi (Teknopreneurship)*. Purwokerto: Penerbit CV. Pena Persada
- Rifuddin, B., Ilham, D., & K, N. (2020). Academic Services in Islamic Education Management Study Program: The Actualization of the Basic Values of the State Civil Apparatus at IAIN Palopo. *International Journal of Asian Education*, 1(2), 81-94. <https://doi.org/10.46966/ijae.v1i2.34>
- Isa, I. G. T., & Hartawan, G. P. (2017). Perancangan Aplikasi Koperasi Simpan Pinjam Berbasis Web (Studi Kasus Koperasi Mitra Setia). *Jurnal Ilmiah Ilmu Ekonomi (Jurnal Akuntansi, Pajak Dan Manajemen)*, 5(10), 139–151.
- Iskandar, Yenny. (2018). *Buku Ajar Pengantar Aplikasi Komputer*. Yogyakarta: Deepublish.
- Mardiani, Eri dkk. (2016). *Aplikasi Pengajaran Menggunakan Visual Basic, MySQL, dan Data Report*. Jakarta; PT. Elexmedia Komputindo.
- Munawar. (2015), *Pemodelan Visual dengan UML*. Jakarta Barat: Perpustakaan Universitas Esa Unggul.
- Supono, (2018). Pemograman Web Dengan Menggunakan PHP dan Framework Codeigniter. Deepublish; Yogyakarta.
- _____. (2017). *Panduan Penilaian oleh Peserta Didik dan Satuan Pendidikan untuk Sekolah Menengah Pertama*. Kementrian Pendidikan dan Kebudayaan; Jakarta; Direktorat Pembinaan Sekolah Menengah Pertama.
- Wijoyo, H. (2020). Rancang Bangun Sistem Penjualan pada CV. Sukses Karya Abadi Berbasis Web. *Jurnal Ilmu Komputer dan Bisnis*, 11(1), 2306-2319.
- Wijoyo, H. Perancangan Sistem Informasi Administrasi pada Quality Fresh Laundry Pekanbaru. *JS: Jurnal Sekolah*, 4(1), 27-32.
- Wijoyo, H., & Marpaung, S. L. (2020). The Influence of Quality Information and Reputation Of TIX ID Application Toward the Interest of Purchase Tickets Online in XXI Cinema Ciputra Seraya Mall Pekanbaru City. *Jurnal Suluh Pendidikan*, 8(2), 9–21. <https://doi.org/10.36655/jsp.v8i2.275>